

#18
2/4/00
#25

Assistant Commissioner for Patents
Washington, DC 20231

I hereby request access under 37 CFR 1.14(a)(3)(iv) to the application file record of the above-identified ABANDONED application, which is: (CHECK ONE)

- Identified ABANDONED application, which is: CHESK ONE
- ☒ (A) referred to in United States Patent Number 5,779,562, column 63.
- ☐ (B) referred to in an application that is open to public inspection as set forth in 37 CFR 1.11, i.e., Application No. _____, filed _____, on page _____ of paper number _____.
- ☐ (C) an application that claims the benefit of the filing date of an application that is open to public inspection, i.e., Application No. _____, filed _____, or
- ☐ (D) an application in which the applicant has filed an authorization to lay open the complete application to the public.

Please direct any correspondence concerning this request to the following address:

Signature

Date

Signature

Date _____

Typed or printed name

FOR PTO USE ONLY

Approved by: _____
(Initials)

Unit: _____

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:**
Assistant Commissioner for Patents, Washington, DC 20231.

United States Patent [19]

Melvin et al.

US005779562A

[11] Patent Number: 5,779,562

[45] Date of Patent: Jul. 14, 1998

[54] MULTI-CORE, MULTI-COVER GOLF BALL

[76] Inventors: Terrence Melvin, 24 Fox Hollow Rd., Somers, Conn. 06071; Michael J. Sullivan, 58 Marlborough St., Chicopee, Mass. 01020; R. Dennis Nesbitt, 70 Deer Path La., Westfield, Mass. 01085

[21] Appl. No.: 840,392

[22] Filed: Apr. 29, 1997

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 631,613, Apr. 10, 1996, which is a continuation-in-part of Ser. No. 591,046, Jan. 25, 1996, which is a continuation-in-part of Ser. No. 542,793, Oct. 13, 1995, which is a continuation-in-part of Ser. No. 070,510, Jun. 1, 1993.

[51] Int. Cl.⁶ A63B 37/12; A63B 37/06

[52] U.S. Cl. 473/373; 473/374; 473/376; 473/378

[58] Field of Search 473/373, 374, 473/376, 378

[56] References Cited

U.S. PATENT DOCUMENTS

4,431,193	2/1984	Nesbitt	273/235
4,625,964	12/1986	Yamada	273/62
4,650,193	3/1987	Molitor et al.	273/228
4,674,751	6/1987	Molitor et al.	273/235
4,714,253	12/1987	Nakahara et al.	273/228
4,781,383	11/1988	Kamada et al.	273/228
4,848,770	7/1989	Shama	273/228
4,858,924	8/1989	Saito et al.	273/62
4,863,167	9/1989	Matenki et al.	273/62
4,911,451	3/1990	Sullivan et al.	273/235

4,919,434	4/1990	Saito	273/235
4,986,545	1/1991	Sullivan	273/235
4,998,734	3/1991	Meyer	273/235
5,002,281	3/1991	Nakahara et al.	273/220
5,048,838	9/1991	Chikamishi et al.	273/228
5,072,944	12/1991	Nakahara et al.	273/220
5,098,105	3/1992	Sullivan	273/235
5,104,126	4/1992	Gentiluomo	273/228
5,120,791	6/1992	Sullivan	525/196
5,184,828	2/1993	Kim et al.	273/228
5,187,013	2/1993	Sullivan	428/407
5,273,286	12/1993	Sun	273/228
5,334,673	8/1994	Wu	273/235
5,368,304	11/1994	Sullivan et al.	273/220
5,482,285	1/1996	Yabuki et al.	273/228
5,490,674	2/1996	Hernandez et al.	273/228
5,688,191	11/1997	Cavallaro et al.	473/373
5,713,802	2/1998	Moriyama et al.	473/374

FOREIGN PATENT DOCUMENTS

WO 96/40382			
A1	12/1996	WIPO	A63B 37/08
WO 96/40516			
A1	12/1996	WIPO	B32B 27/40

Primary Examiner—George J. Marlo

[57] ABSTRACT

A solid golf ball comprising a solid core and a cover enclosing the core. The core includes a center core layer and an outer core layer enclosing the center core layer, the center core layer having a specific gravity that differs from the specific gravity of the outer core layer by more than 0.1. The cover includes an inner cover layer formed over the core and an outer cover layer enclosing the inner cover layer, the outer cover layer having a Shore D hardness less than that of the inner core layer and no more than 55.

1 Claim, 1 Drawing Sheet

